Compact cylinder
ADNGF-16-50-P-A

Part number: 554219



Data sheet

Feature	Value
Stroke	50 mm
Piston diameter	16 mm
Based on standard	ISO 21287
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	Any
Design	Piston Piston rod Profile barrel
Position detection	Via proximity switch
Protection against torque/guide	Guide rod with yoke
Operating pressure	0.15 MPa...1 MPa 1.5 bar...10 bar
Mode of operation	Double-acting
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 °C...80 °C
Impact energy in end positions	0.15 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	90 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	121 N
Moving mass	144 g
Product weight	167 g
Pneumatic connection	M5
Note on materials	RoHS compliant
Material collar screws	Steel
Material cover	Anodised wrought aluminium alloy
Material seals	TPE-U(PUR)
Material end plate	Anodised wrought aluminium alloy
Material piston rod	High-alloy steel
Material cylinder barrel	Smooth-anodised wrought aluminium alloy